

GENERAL REQUIREMENTS AND DEFINITIONS

A

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437-007-0001 Authority of Rules. These rules are promulgated under the Director's authority contained in ORS 654.025(2) and ORS 656.726(4).

Stat. Auth.: ORS 654.025(2) and 656.726(4).
Stats. Implemented: ORS 654.001 through 654.295.
Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

437-007-0002 Purpose of Rules. The purpose of the rules contained in this Division is to prescribe minimum safety and health requirements for all employees employed in forest activities work.

Stat. Auth.: ORS 654.025(2) and 656.726(4).
Stats. Implemented: ORS 654.001 through 654.295.
Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

437-007-0003 Scope of Rules. The rules in this Division apply to all public and private employers who engage in forest activities as listed in OAR 437-007-0004.

Stat. Auth.: ORS 654.025(2) and 656.726(4).
Stats. Implemented: ORS 654.001 through 654.295.
Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

437-007-0004 Applicability of Rules.

The rules in Division 7 establish occupational safety and health practices for all forest activity operations including but not limited to:

- Chemical application
- Chipping
- Clearing and slash disposal
- Forest road construction, maintenance and decommissioning
- Log dumps, ponds, plantsite log yards and independent sort yards
- Log hauling
- Marking
- Prescribed fire
- Pulpwood and non-pulpwood logging
- Reforestation/vegetation management
- Stream restoration
- Timber cutting and thinning operations
- Timber cruising
- Tree climbing activities
- Wildland fire suppression

Any situation or condition not specifically addressed will be subject to other applicable provisions of the Oregon Administrative Rules, Chapter 437, Oregon Occupational Safety and Health Standards.

Stat. Auth.: ORS 654.025(2) and 656.726(4).
Stats. Implemented: ORS 654.001 through 654.295.
Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.
OR-OSHA Admin. Order 2-2005, f. 5/27/05, ef. 6/1/05.

A	WORKER PROTECTION STANDARD	Oregon Administrative Rules Oregon Occupational Safety and Health Division
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437-007-0010 Worker Protection Standard. Oregon OSHA administers and enforces the Worker Protection Standard (40 CFR 170) as adopted in OAR 437-004-6000 in Division 4/W. All parts apply without regard to the scope of Division 4 in addition to, and not instead of, any other part of Division 7, Forest Activities. Should any of the parts of these two standards conflict, comply with the part offering the most protection to workers.

Stat. Auth.: ORS 654.025(2) and 656.726(4).
Stats. Implemented: ORS 654.001 through 654.295.
Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.
OR-OSHA Admin. Order 3-2008, f. 3/7/08, ef. 7/1/08.
OR-OSHA Admin. Order 9-2009, f. 9/21/09, ef. 9/21/09.

437-007-0025 Definitions. The following definitions apply to terms used in this Division:

A-frame – A structure made of two independent columns fastened together at the top and separated by a reasonable width at the bottom to stabilize the unit from tipping sideways.

Alternative communication system – A system by voice, hand or media other than horn or whistle which provides a safe and reliable method of communication between crew members.

Anchor point (tree climbing) – A secure point capable of providing life support.

Approved container – A metal or polyethylene (plastic) container that can be used to carry flammable liquids in quantities up to 5 gallons. These containers must be accepted as satisfactory to contain flammable liquids by a nationally recognized testing lab, such as Underwriters Lab (UL) or Factory Mutual (FM).

Aramid – The generic name for a high-strength, flame-resistant synthetic fabric used in the shirts and jeans of firefighters. Nomex, a brand name for aramid fabric, is the term commonly used by firefighters.

Arch – Any device attached to the back of a mobile vehicle and used for raising one end of logs to facilitate movement.

Ascenders (Jumars, Gibbs) – Any climbing device used to ascend a fixed vertical rope. The term ascenders usually refers to mechanical devices.

Authorized person – See “Designated Person.”

Backcut (falling cut) – The cut opposite of the face cut.

Ballistic nylon – A nylon fabric of high tensile properties designed to provide protection from lacerations.

Base of tree – That portion of a tree that is not more than 12 inches above highest ground level.

Belay (snubbing) – A method of protecting a climber in case of fall. A safety rope tied to a climber is paid out or taken in as the climber moves by a second person (the belayer) or by the climber in a self-belay (using the 4-inch tie-in). By controlling the safety rope, the belayer can stop the climber from falling.

Below the four-inch bole diameter – Any point on the bole of the tree where the diameter is greater than 4 inches.

Bight of the line – A hazardous zone created by one or more lines under tension, or a point on a line where a rigging chain is attached.

Binder – A hinged lever assembly for connecting the ends of a wrapper to tighten the load restraining devices (log trucks, flatbeds, lowboys, etc.).

Brow log – A log placed parallel to any roadway at a landing or dump to protect carriers while loading or unloading.

Buck – To cut a fallen tree into logs.

Butt – The bottom cut or the first log of a fallen tree.

Cable yarding – The movement of trees or logs from the area where they have been fallen to a landing by attaching them to a cable system that is supported by a metal tower (wood spar) and/or intermediate support or tail trees.

Carabiner (Biners, Locking Carabiners) – An oblong metal ring with a spring loaded gate on one side used for various purposes in climbing, such as attaching equipment to the climber or securing the climber to a rappel system.

Chest harness – Straps placed around the chest and shoulders only to secure the proper positioning for a chest attachment point.

Chock – A block, often wedge-shaped, which is used to prevent movement; for example, a log from rolling, a wheel from turning.

Choker – Length of wire rope, chain or synthetic material with attachments for encircling a log to be yarded.

Climber – A person qualified to climb a tree; the person climbing.

Climbers belt (Lineman's Belt, Body Belt, Safety Belt) – A wide padded belt having two large metal D-ring attachment points on the sides. A climbing belt does not have an attached chest harness or attached leg straps.

Climbing harness – A type of harness that provides both pelvic and upper body support and can be adjusted to fit individual climbers. Climbing harnesses may be a one-piece design (full body harness) or any two-piece design that meets industry recognized standards. Climbing harnesses normally have separate leg loops. Tree climbing harnesses will usually have all of the above plus two large D-ring attachment points on the sides.

Climbing helmet – Designed specifically for climbing, this helmet has a three-point chinstrap and is designed to remain in place during a fall. It is rated for the helmet's ability to protect against side and top impacts.

Climbing line – A 5400 pound minimum breaking strength rope used in tree climbing for ascending into a tree, descending from a tree, and/or working aloft in a tree.

Climbing spurs (Climbers, Tree Climbers, Gaffs, Pole Gaffs, Spurs, Tree Spurs, Lineman's Climbers, Spikes) – L-shaped metal shanks that attach to the foot and lower leg and are used to ascend or descend a tree bole by means of a sharp spike (gaff) that penetrates the tree bark and sticks into the wood of the tree.

Competent person – A qualified person who has been authorized by the employer or employer representative to:

(a) Identify existing and predictable hazards in the surroundings or working conditions which are hazardous or dangerous to employees, and

(b) Eliminate the hazard or take corrective action.

Confine a fire – To restrict the fire within determined boundaries established either prior to the fire or during the fire.

Contain a fire – To take suppression action, as needed, which can reasonably be expected to check the fire's spread under prevailing conditions.

Control a fire – To complete control line around a fire, and spot fires therefrom and any interior islands to be saved; burn out any unburned area adjacent to the fire side of the control lines; and cool down all hot-spots that are immediate threats to the control line, until the lines can reasonably be expected to hold under foreseeable conditions.

Cut-up-tree/snag – A tree/snag, left standing, with the falling cuts started or completed.

Cutter – One whose primary job is to manually fall, buck or limb trees.

Danger tree – A standing tree, alive or dead, that presents a hazard to personnel due to deterioration or physical damage to the root system, trunk (stem), or limbs, and the degree and direction of lean.

DBH – Diameter at breast height.

Deadman – Buried log or other object used as an anchor.

Deck – A stack of trees or logs.

Descenders – Any rappelling device used to descend a vertically fixed rope.

Designated person – An individual who has been assigned by the employer or the employer representative to perform a specific duty or duties.

Direct supervision – Supervision by a competent person who watches over and directs the work of others who are within sight and unassisted natural voice contact.

NOTE: Direct supervision may be achieved by radio contact when an untrained runner is enroute to or from an operational area where there may be exposure to wildland fire hazards, provided there is a competent person at both the pick-up and drop-off points.

Domino falling – The partial cutting of several trees which are left standing and then pushed over with a pusher (driver) tree. This definition of domino falling does not include the falling of:

- (a) A single danger tree by falling another single tree into it.
- (b) Two or more trees at the same time because their limbs are interlocked.

Double tree intermediate support system – A system for supporting a loaded skyline in a support jack suspended on a single piece of wire rope that is supported by two trees in a manner that provides for sharing the load between the two trees. (See Figure 7-15.)

Dress a knot – To orient the rope parts of a knot so they are properly aligned, straightened, or bundled. This is often necessary for proper operation of the knot or to reduce rope stress.

Dutchman (as used in falling) – A method used to pull a tree against its lean by leaving a section of the undercut on one corner of the face.

Dutchman (as used in yarding) – A block used to change direction of line lead (sideblocking).

Dynamic rope – A rope that has an elongation of 40 to 60 percent at the breaking strength and typically a 2 to 8 percent elongation at a working load of 200 pounds.

Emergency care – Care provided by a person who is first aid and CPR trained.

Emergency medical service – Care provided by a medically trained person such as in a hospital, clinic, ambulance or rescue vehicle.

Emergency scene -The site where the suppression or control of a fire or an emergency exists.

Equipment – See “Vehicle and Machine.”

Equipment protection designations – The listing of specific guarding requirements for specific logging machines.

Escape route – A planned and understood route firefighters take to move to a safety zone or other low-risk area.

Experienced person – A person who has sufficient training, experience and skill in a given process to be knowledgeable of all aspects of that process.

Extreme weather conditions – Includes, but not limited to:

(a) Strong winds (applies to timbered areas only) – Wind velocity that reaches sufficient force to blow limbs from standing trees, cause windfalls, or prevent cutters from falling trees in the desired direction;

(b) Impaired vision – Conditions such as falling snow, sleet, mist, fog, rain, dust, or darkness which substantially impairs visibility to the extent that employees cannot clearly see signals, moving vehicles, equipment and lines, falling trees or other hazards;

(c) Hazardous snow or ice conditions – Snow or ice conditions which prevent escape from hazards such as falling trees, moving logs, vehicles, or similar hazards; or

(d) Lightning.

Fairlead – Sheaves, rolls or a combination thereof arranged for receiving a line coming from any direction to minimize the line from burning and aid proper line spooling onto a drum.

Fall – To cut down trees.

Faller – A person who falls (cuts down) trees.

Fire camp – A geographical site(s) equipped and staffed to provide sleeping, food, water and sanitary services to fire personnel.

Fire fighting equipment – All portable and fixed fire suppression and control equipment.

Fire season – That period during the year when the State Forester declares fire season in any part of the state, as required by ORS 477.505.

Fire shelter – A personal protection item carried by firefighters which when deployed unfolds to form a pup-tent shelter of heat reflective materials.

Firefighter – Any employee whose primary duty is fire suppression and control of fires on or around wildland areas.

Flame resistance – The property of material, or combinations of component materials, to retard ignition and restrict the spread of flame.

FOPS (Falling Object Protective Structure) – Structural members arranged in such a way to reasonably protect operators from falling objects such as trees, rocks, etc.

Four-inch tie-in – A self-belay (snubbing) system usually consisting of a rope, webbing, and carabiners. It is used as a safety line to secure the climber to the tree below the 4-inch bole diameter and at 3-foot intervals along the bole when climbing above the 4-inch bole diameter.

Frequent review or inspection – A review or inspection that is conducted at intervals which are necessary (conducted on daily to monthly intervals) to gain a desired assessment of conditions, practices, policies or procedures.

Grounded (Cutting) – Placement of a tree on the ground.

Grounded (Electrical) – A method to dissipate static or electrical charges.

Grounded (Machines) – The placement of a machine component on the ground or device where it is firmly supported.

Guarded – Covered, shielded, fenced, enclosed, or otherwise protected by means of suitable enclosures, covers, casings, shields, troughs, railings, screens, mats, or platforms, or by location to prevent injury.

Guyline – A standing line used to support or stabilize a spar, tail tree, intermediate support tree, machinery or equipment.

Health care provider – A health care practitioner operating within the scope of their license, certificate, registration, or legally authorized practice.

High lead – A system of logging where the mainline is threaded through the mainline block which is located near the top of the spar or metal tower to obtain a lift of the logs being yarded and is returned to the vicinity of the logs by a haulback line.

High visibility colors – Bright or fluorescent white, lime green, orange, yellow, red, or aqua colors that stand out from the surrounding background color so as to make them easily seen.

In the clear – A position within the work area where the probability of hazardous contact with vehicles, machines, falling trees, moving logs, rootwads, chunks, material, rigging, and equipment is minimized by distance from the hazards and/or use of physical barriers, such as stumps, trees, terrain, or other objects providing protection.

Initial attack – The control efforts taken by all resources which arrive at the fire during the first burning period (first 24 hours).

Kicker (as used in cutting) – A piece of the face, or an equivalent object, placed in one side of a face cut to pull the tree from its lean as it falls.

Landing – Any designated place where logs are laid after being yarded and are awaiting subsequent handling, loading and hauling.

Landing chute – The head of the skid trail or yarding road where the logs are temporarily placed and are awaiting subsequent handling, loading, and hauling.

Lanyard (Climbing rope, Safety Lanyard, Adjustable Lanyard, Prusik Lanyard, Flip Line) – A short piece of 5400 pound minimum breaking strength rope or webbing that secures the climber to the tree.

Lay (cutting) – The desired direction of fall for a tree.

Lay (wire rope) – A unit of measure to describe the straight-line distance in which a strand of wire rope makes one complete spiral around the core of a rope. The way wires have been laid to form strands and the way strands have been laid around the core (i.e., regular, lang lay, etc.).

Life support line (rope) – Any 5400 pound minimum breaking strength line, such as but not limited to, a climbing rope, flip strap or lanyard used to support or secure a climber in a tree.

Limbing – To cut branches off trees.

Lodged tree (hung tree) – A tree leaning against another tree or object which prevents it from falling to the ground.

Log – A segment sawed or split from a fallen tree, such as, but not limited to, a section, bolt, or tree length.

Log dump – An area in which logs are removed from a truck or rail car. May be either dry land or water, parbuckled over a brow log or removed by machine.

Logging – All operations relating to the falling of trees, cutting the fallen trees into suitable lengths, yarding, limbing, debarking, grading, loading, hauling, unloading, storing in decks or ponds until processed from timber to wood products.

Machine – Equipment used or intended for use in forest activities operations such as but not limited to building or maintaining roads; felling trees; processing trees or fiber; yarding, moving or handling logs, trees, chunks and other material; stream restoration; forest operations for wildlife enhancement or other management objectives; and wildland fire suppression.

Mainline (yarding) – The line that moves the turn of logs toward the yarder in any given system.

Mechanized falling – Falling of standing timber by a self-propelled mobile-wheeled or tracked machine equipped with a shear or other powered cutting device.

Metal tower – A vertical or leaning metal tube or boom used for yarding logs by various methods of cable logging.

NRTL (Nationally Recognized Testing Laboratory) – An organization which is recognized by OSHA in accordance with OAR 437, Division 2/A, §1910.7, Appendix A, OSHA Recognition Process for Nationally Recognized Testing Laboratories.

OPS (Operator Protective Structure) – Structures or enclosures whose primary purpose is to minimize the possibility of operator injury from hazards, such as whipping saplings, branches, jill-poking and snapping winch lines with the least adverse effect on operator visibility, comfort, and protection from other hazards. Specific standards and tests exist and are referenced in many national and state codes.

Pass line – A small line threaded through a block at or near the top of a wood tree or metal tower to assist the high climber.

Periodic review or inspection – A review or inspection that is conducted at predetermined intervals (conducted on 1 to 12 months intervals).

Personal protective equipment – Clothing or equipment worn to protect the head, body, feet and extremities from chemical or physical hazards.

Potential failure zone – An area that could be impacted by the failure of any part of a standing tree anchor, tail or intermediate support tree as the result of forces or loads imposed on the tree by guylines, running lines or skylines. The boundaries of the zone encompass the area into which the tree, or parts of the tree, could fall, slide or roll and all trees, logs, lines and material impacted by the tree failure.

Prescribed fire – Any fire burning under predetermined conditions to meet specific objectives related to fuels reduction or habitat improvement.

Qualified first aid person – Has evidence to show valid first aid and CPR training within the last 2 years.

Qualified person – A person who has:

(a) A recognized degree, certification, professional standing, knowledge, training or experience.

(b) Successfully demonstrated the ability to perform the work, solve or resolve problems relating to the work, subject matter, or project.

Qualified tree climber – An individual having the physical capabilities, training, work experience and job assignment authorized by the employer to climb tree.

Rappel rope (main line, prusik rope, descent rope) – A 5400 pound minimum breaking strength rope used to rappel or descend from a tree.

Rated capacity – The load identified by the manufacturer that a system, vehicle, machine or piece of equipment can lift or move.

Reach – Usually a rectangular steel tube which slides in the trailer tunnel and is used as a connection between a log truck and the trailer.

Reforestation – All forest management operations relating to the planting and nurturing of trees. The nurturing of trees includes: fertilization, pre-commercial thinning, mulching, pruning, animal control measures, application of chemicals, and stand inventories.

ROPS (Roll-Over Protective Structure) – Framing and support for machinery that reduces the possibility of a seat belted operator from being crushed should the machine roll over. Specific standards and tests exist and are referenced in many national and state codes.

Root wad – The root ball and dirt that is pulled from the ground when a tree or stump is uprooted.

Rub rails – Guarding on the exposed sides of elevated bridges, ramps or runways to prevent wheeled equipment from going over the edge.

Rub tree – A tree used to guide a turn around a certain area.

Runner – A person who delivers supplies, materials or relays information.

Running line – Any moving line in a cable yarding system.

Saddle (sit harness) – A type of work harness specifically designed to support the climber for long periods in a sitting position. A saddle differs from a safety harness by not having a chest component and may have either two separate leg loops or a single wide strap that encircles the climber below the buttocks.

Safety factor – The ratio of breaking strength to safe working strength or load.

Safety line (safety rope, belay rope) – A 5400 pound minimum breaking strength rope that is either attached to a climber and used for belaying by a ground person or is attached to an anchor point and adjusted by the climber (such as with the 4-inch tie-in).

Safety pin (shackle) – A threaded shackle pin secured by a nut that is secured with a cotter key, latchpin or molly.

Safety strap (sling) – A length of rope or webbing used as a protection point in a belayed ascent by either the ground person or the climber in a self-belay (as in the 4-inch tie-in). These straps are placed around the tree bole and secured by either a knot or carabiner, then secured to the belay rope with a carabiner.

Safety swede – A device that is designed for the specific purpose of making a positive connection to binders that are being closed (tightened) or opened.

Safety Zone (fire) – A designated area of sufficient size and suitable location that is expected to protect fire personnel from known hazards without using fire shelters, such as but not limited to an already burned area, previously constructed safety area, a meadow that won't burn, manmade or natural rocky area that is large enough and sufficiently devoid of fuels to take refuge without being burned.

Secured – When the climber is safeguarded from unintended movement utilizing a climbing system that is attached to the climber and connected to the tree. Examples of being secured include, but are not limited to: (1) when tied in (2) when using a lanyard (3) when on belay (4) when ascending a climbing line using the footlock technique while utilizing a Prusik loop or ascenders.

Serviceable condition – That quality of a tool, machine, vehicle, equipment, or other device to operate as it was intended to operate by the manufacturer.

Short log (chunks) – Any log or fiber less than 27 feet long.

Single jack – One cutter, in an area or portion of standing timber, who falls and bucks.

Single tree intermediate support system – A system for supporting a loaded skyline in a support jack suspended from a single tree. The tree may be an upright single-rooted tree or a leaning tree severed or partially severed from the stump.

Siwash (intentional) – The use of a natural physical object, such as a tree or stump, that changes the direction of a line rather than with a block.

Siwash (unintentional) – When a line is incorrectly routed through standing timber or other objects or, as often occurs in side-hill yarding, the turn of logs pulls the bight of the line downhill and it hangs up on a stump, root wad or other object, changing the lead and creating a hazardous area.

Skidder – A self-propelled machine, of the wheel or crawler design, or an animal used to move logs or trees to a landing.

Skidding – The movement of logs or fiber on the surface of the ground toward the place where they can be further processed or loaded.

Skyline – The line which is hung between two or more supports on which a carriage or block travels.

Slackline – A system of logging where a carriage travels on a skyline that can be raised or lowered. The carriage is pulled to the landing by the mainline (skidding line) and is returned to the vicinity of the logs by the haulback line or gravity.

Slash burning – The use of prescribed fire as a method of forest management.

Slope (grade) – The increase or decrease in altitude over a horizontal distance expressed as a percentage. For example, change of altitude of 20 feet (6 m) over a horizontal distance of 100 feet (30 m) is expressed as a 20 percent slope.

Snag – Any standing dead tree or portion thereof.

Snap Catch (rope snap, snap link, snap hook) – A metal device with a ring on one end that usually attaches permanently to a rope or cable. The other end has a spring-loaded, locking gate. As opposed to a carabiner, the gate on a snap link does not lock into the body of the snap link and does not offer any additional strength when closed.

Snubbing – Retarding or controlling the movement of logs or machines by attachment to another vehicle or stationary object.

Spring pole – A tree, segment of a tree, limb, or sapling which is under stress or tension due to the pressure or weight of another object.

Square lead – A horizontal angle of up to 90 degrees formed by the projected lines of the mainline from the drum of the logging machine through the block or fairlead and the yarding road.

Stability (machine or vehicle) – The capacity of a machine or vehicle to return to equilibrium or to its original position after having been displaced.

Steel-core lanyard (climbing rope, flip rope, spur rope, cable-core lanyard) – A manila or synthetic rope with a steel cable core in which a snap hook or eye has been spliced at one end. This rope is used as a lanyard when spur climbing and when cutting, trimming, or pruning in a tree.

Strip – A stand of timber or area of fallen and bucked timber in a predetermined location on which employees work in a planned pattern.

Supervisory personnel – Agent of the employer (such as a manager, superintendent, foreperson, hooktender, rigging slinger, or person in charge of all or part of the place of employment) who directs the work activities of one or more employees.

Swede connection – A line configuration consisting of wrapping two choker lines in the same direction around a tree or log and connecting the line nubbins to opposite line bells.

Swing cut – A back cut in which the holding wood on one side is cut through.

Swing radius (machines) – Is that distance equal to actual working radius of machines capable of upper structure rotation plus the length of the attachments, logs, and materials being handled.

Tail hold – An anchor used for making fast any line or block other than a guyline.

Tail tree – The tree at the opposite end from the landing area on which rigging is hung.

Tight line – When a force is exerted on both main line and haulback at the same time.

Timber cutting – The falling and/or bucking of trees by hand or mechanical means.

Topping – Cutting off the top section of a standing tree prior to rigging the tree for a spar or tail tree.

TOPS (Tip-Over Protective Structure) – Framing and support for machinery that reduces the possibility of a seat belted operator from being injured should the machine tip over on its side. Specific standards and tests exist and are referenced in many national and state codes.

Tractor – A self-propelled machine of wheel or crawler design used to exert a push or pull force through mounted equipment to move objects or material.

Tree bole (bole, tree stem, tree trunk) – The main vertical part of a tree.

Tree climber trainee – An individual who is receiving training and on-the-job instruction from a qualified tree climber.

Tree climbing work – Any task performed in or on a tree where access is accomplished by means of unsecured climbing, friction knots or mechanical ascenders, bole gripping systems, permanently or temporarily mounted steps, stacked sectional ladders, vehicle or machine hoisting, or climbing spurs.

Tree jack (shoe) (other than for directional falling use) – A grooved saddle of wood, soft metal or rollers contained within two steel side plates attached to a tree with a strap as a guide for a skyline, sail guy or similar static line.

Tree plates – Steel bars sometimes shaped as elongated “J”s which are fastened to a tree to hold the guylines and prevent the rigging from cutting into the tree when tightened. The hook of the “J” is also used to prevent the mainline block strap from sliding.

Turn – Any log or group of logs or other material usually attached by chokers, grapples or other means and moved from a point of rest to the landing or landing chute area.

Undercut (face) – A notch cut in a tree to guide the direction of the tree fall and help prevent splitting or kickback.

V-lead – A horizontal angle of less than 90 degrees formed by the projected lines of the mainline from the drum of the logging machine through the block or fairlead and the yarding road.

Vehicle – A car, bus, truck, trailer or semi-trailer owned, leased or rented by the employer that is used for transportation of employees or movement of material. Any carrier that is not manually propelled.

Watcher/Firewatch – A person who visually observes the area on which operation activity occurred for the out-break of fire.

Wildland Fire – Any non-structure fire, other than prescribed fire, that occurs in the wildland.

Wildlands fire fighting – All activities, operations, and equipment of employers and employees involved in the suppression or control of fires on wildlands. Does not include interior structural fire suppression or control.

Wildlife tree – A live, partially dead, or snag tree in the forest riparian zone, or in a cutting unit that is left for wildlife habitat. May also be a danger tree.

Winching – The winding of cable or rope onto a spool or drum.

Within the stakes – When the log center is below the top of the stakes.

Work area – Any area frequented by employees in the performance of assigned or related duties.

Wrapper (tie down) – A chain, cable, steel banding, synthetic rope or fiber webbing assembly used to contain a load of logs.

Yarder – A machine with a series of drums used to yard logs.

Yarding – Movement of logs or trees from the place they were felled to an area where they can be further processed.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 through 654.295.

Hist: OR-OSHA Admin. Order 5-2003, f. 6/02/03, ef. 12/01/03.

OR-OSHA Admin. Order 2-2005, f. 5/27/05, ef. 6/1/05.

OR-OSHA Admin. Order 3-2008, f. 3/7/08, ef. 7/1/08.